

Material Safety Data Sheet

GUARDIAN ACCLAIM

ECOLAB

49142

1. Product and company identification

Trade name of product : GUARDIAN ACCLAIM
Product use : Machine Warewashing Detergent

Product dilution information : Up to 4oz/10gal or 3.12 mL/L in water

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 937839

Date of issue : 13-June-2011

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

2. Hazards identification

Product AS SOLD
Physical state : Powder
Emergency overview : DANGER !
CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.
Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Product AT USE DILUTION

Liquid.
CAUTION !
No specific hazard.
No specific hazard.

Potential acute health effects

Product AS SOLD
Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Severely irritating to the respiratory system.
Ingestion : Causes burns to mouth, throat and stomach.

Product AT USE DILUTION

No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

See toxicological information (section 11)

3. Composition/information on ingredients

Product AS SOLD

Name	CAS number	% by weight
PENTASODIUM TRIPHOSPHATE	7758-29-4	17
SODIUM CARBONATE	497-19-8	>50
SODIUM METASILICATE	6834-92-0	20 - 50
troclosene sodium, dihydrate	51580-86-0	1 - 5

Product AT USE DILUTION

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3. Composition/information on ingredients

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Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.	No known effect after eye contact. Rinse with water for a few minutes.
Skin contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
Inhalation	: If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention.	No special measures required. Treat symptomatically.
Ingestion	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.	Get medical attention if symptoms occur.

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products : Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 nitrogen oxides
 phosphorus oxides
 halogenated compounds
 metal oxide/oxides

Fire-fighting media and instructions : Use dry chemical powder.

Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff.
 Fine dust clouds may form explosive mixtures with air.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.	Use personal protective equipment as required.
Environmental precautions	: Avoid contact of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

6. Accidental release measures

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Methods for cleaning up : If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up.

Use a water rinse for final clean-up.

7. Handling and storage

Handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage : Keep out of reach of children. Store in a closed container. Keep container tightly closed.
Do not store above the following temperature: 50°C

Product AT USE DILUTION
Wash thoroughly after handling.

Keep out of reach of children.

8. Exposure controls/personal protection

Engineering measures : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protection

Eyes : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Hands : Use chemical-resistant, impervious gloves.

Skin : Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Respiratory : Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.

No protective equipment is needed under normal use conditions.
No protective equipment is needed under normal use conditions.
No protective equipment is needed under normal use conditions.
No special protection is required.

Ingredient	Exposure limits
chlorine	ACGIH TLV (United States, 2/2010). STEL: 2.9 mg/m ³ 15 minute(s). STEL: 1 ppm 15 minute(s). TWA: 1.5 mg/m ³ 8 hour(s). TWA: 0.5 ppm 8 hour(s). OSHA PEL (United States, 6/2010). CEIL: 3 mg/m ³ CEIL: 1 ppm

9. Physical and chemical properties

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Product AS SOLD		Product AT USE DILUTION
Physical state	: Powder	Liquid
Flash point	: > 100°C	> 100°C
Color	: White with colored particles [Light]	Product does not support combustion.
Odor	: chlorine	Colorless
pH	: 13 [Conc. (% w/w): 1%]	Odorless
Relative density	: Not determined	10.5 to 11.5
Dispersibility properties	: Dispersible in the following materials: cold water and hot water.	
Solubility	: Soluble in the following materials: cold water and hot water.	

10. Stability and reactivity

Product AS SOLD	
Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Extremely reactive or incompatible with the following materials: acids. Reactive or incompatible with the following materials: metals and moisture. Do not allow water to enter container. Wet material may generate halogenated gas that may pressurize sealed containers. Mixing this product with acid or ammonia releases chlorine gas.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Product AS SOLD		Product AT USE DILUTION
Potential acute health effects		
Eyes	: Corrosive to eyes.	No known significant effects or critical hazards.
Skin	: Corrosive to the skin.	No known significant effects or critical hazards.
Inhalation	: Severely irritating to the respiratory system.	No known significant effects or critical hazards.
Ingestion	: Causes burns to mouth, throat and stomach.	No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD		Product AT USE DILUTION
Waste disposal	: Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14. Transport information

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Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Product AS SOLD

DOT Classification UN3262
 DOT Proper shipping name Corrosive solid, basic, inorganic, n.o.s. (disodium metasilicate, sodium carbona
 Class 8
 Packing group II

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation informatio

Product AT USE DILUTION
 Not intended for transport.

15. Regulatory information

Product AS SOLD

HCS : Corrosive material
 Classification

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.
 SARA 302/304/311/312 extremely hazardous substances: No listed substance
 SARA 302/304 emergency planning and notification: No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: No listed substance		

California Prop. 65 : No listed substance

Product AT USE DILUTION
 Not regulated.

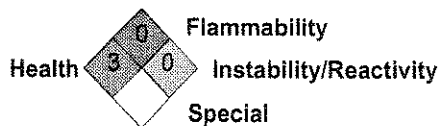
16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.)

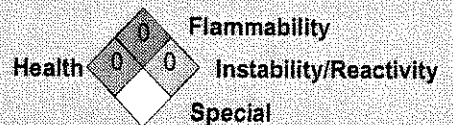
Health	3
Flammability	0
Physical hazards	0

National Fire Protection Association (U.S.A.) :



Product AT USE DILUTION

Health	0
Flammability	0
Physical hazards	0



Date of issue : 13-June-2011

16. Other information

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Responsible name : Regulatory Affairs
1-800-352-5326

Indicates information that has changed from previously issued version.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.